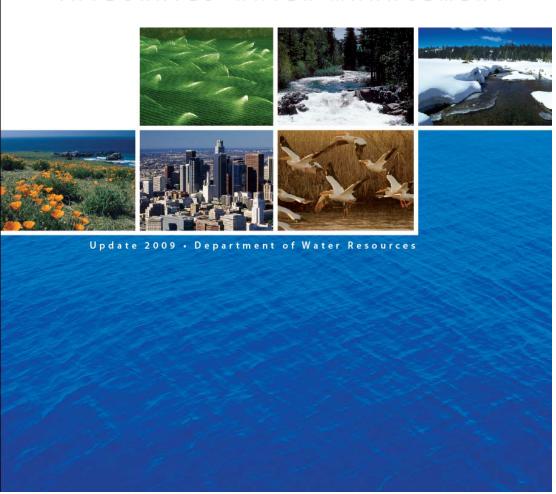
California Water Plan Overview

Integration of Update 2013
Groundwater Content
Enhancements

Groundwater Caucus May 19, 2011

California Water Plan Highlights

INTEGRATED WATER MANAGEMENT



Water Plan Update 2009

A Foundation for Update 2013 Groundwater Content Enhancements

Update 2009 – State's Blueprint Integrated Water Management & Sustainability

VISION

- Public Health, Safety, Quality of Life
- Vitality, Productivity, Economic Growth
- Healthy Ecosystem, Cultural Heritage

Foundational Actions for

SUSTAINABLE WATER USES

- Use Water Efficiently
- Protect Water Quality
- Expand Environmental Stewardship

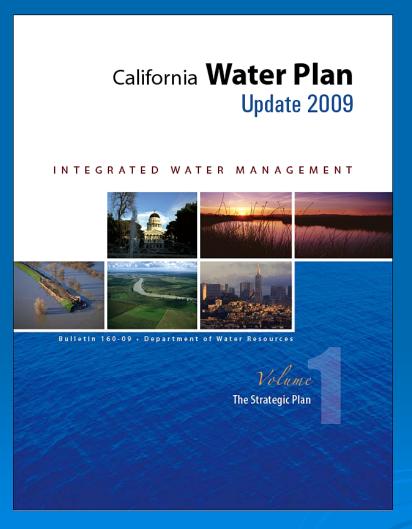
Initiatives for

RELIABLE WATER SUPPLIES

- Expand Integrated Regional Water Managment
- Improve Statewide Water and Flood Management Systems

Collaboration DWR & Public Other State Agencies **Advisory Committee Multi-Disciplinary** Communities of Interest **Project Team** Statewide Organizations Water Plan Steering Committee **Work Teams** Regional Leads State Agencies State staff working Analytical Tools & Data Regional Forum & Workshops with Regional Efforts Communications Planning Seek Input & Advice **Drought Planning** Communities of Place Regional Reports Federal Agencies Local Agencies & Governments Environmental Water Facilitation CA Native American Tribes Integrated Flood Management Land & Water Use **Extended Review Forum** Resource Management < Plenary > Strategies Interested Public Water Supply & Balance Everyone Water Quality Statewide Water Analysis Network (SWAN) Scientists & Engineers Information Exchange & Data Integration Climate Change Shared Analytical Tools & Methods

Water Plan Update 2009 Organization



- Water Plan Highlights
 - CD Entire Water Plan
 - CD Tribal Water Summit Proceedings
- ➤ Vol. 1 > The Strategic Plan
- Vol. 2 > 27 Resource Management Strategies
- ➤ Vol. 3 > 12 Regional Reports
- Vol. 4 > Reference Guide (120+ articles)
- Vol. 5 > Technical Guide (Online documentation)

Water Plan Update 2013

Integration of Update 2013 Groundwater Content Enhancements

Foundational Components

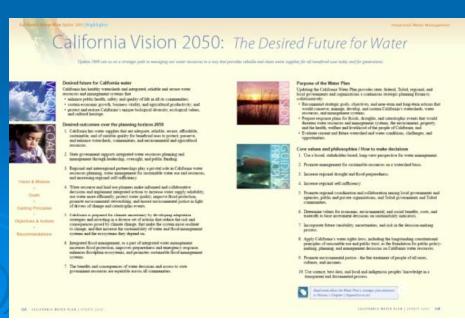
Foundational Component – An Update 2009 feature with sufficient value to retain for Update 2013

- Strategic Plan
- Water Balances and Portfolios
- Regional Reports
- Future Scenarios
- Resource Management Strategies
- Companion State Plans
- Reference Guide
- Technical Guide
- Assumptions and Estimates Report

Strategic Plan

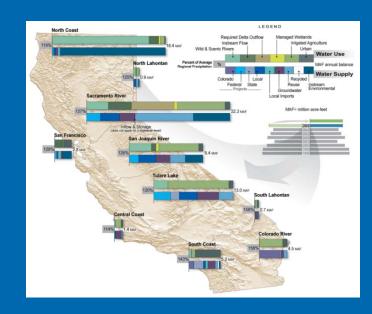
Relevance to Groundwater Content Enhancements

- Update 2005 Strategic Plan informed Proposition 84 language
- Update 2009 Strategic Plan informed Update 2013 groundwater content enhancement work plan and priorities
- Both will evolve into the basis for Update 2013 Groundwater work plan, analysis and recommendations
- High-level groundwater policy recommendations will be published in Update 2013
 Strategic Plan



Water Portfolios Relevance to Groundwater Content Enhancements

- Context for historical water use and corresponding supply sources (Groundwater is largely a balancing term due to lack of data)
- Articulates statewide and regional water use and supply sources



- Used to identify trends, challenges and opportunities at the statewide and regional scales
- Update 2013 water portfolios will include groundwater data and computation enhancements; including change in storage

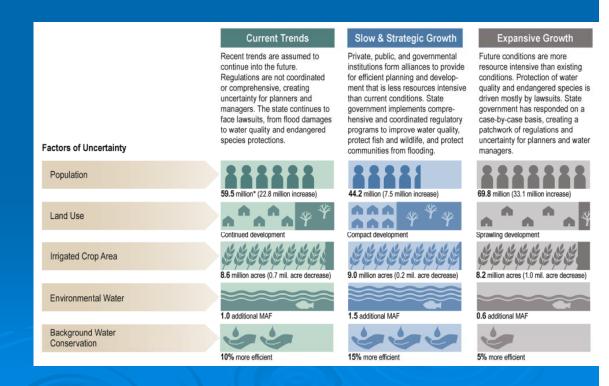
Regional Reports Relevance to Groundwater Content Enhancements

- Articulation of information, data, challenges, opportunities and regional resource management objectives
- Groundwater conditions, challenges, proposals and priorities will be described in regional reports
- Ensure regionally relevant solutions
- Case study will be published in corresponding Regional Report



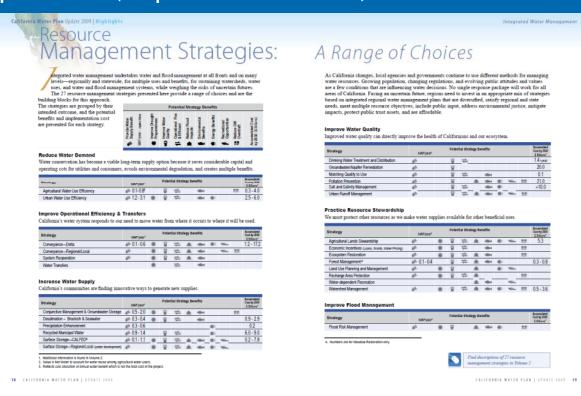
Water Plan Update *Future Scenarios*Relevance to Groundwater Content Enhancements

- Three plausible sets of future conditions that can affect the necessity for (and performance of) management strategies
 - trade-offs and resiliency of resource management strategy packages to guide groundwater action and policy recommendations



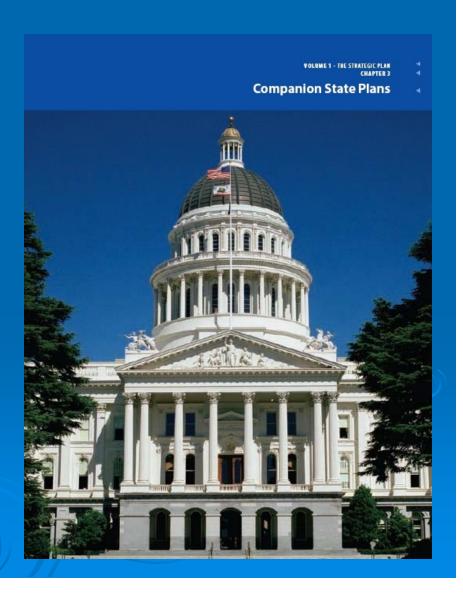
Water Plan Update Resource Management Strategies Relevance to Groundwater Content Enhancements

- Many groundwater policy and action recommendations will be drawn from menu of Resource Management
 Strategies
 - Update 2009 strategies included conjunctive use, groundwater storage, recharge area protection, aquifer remediation, etc
 - One source of information for estimating groundwater management strategy costs



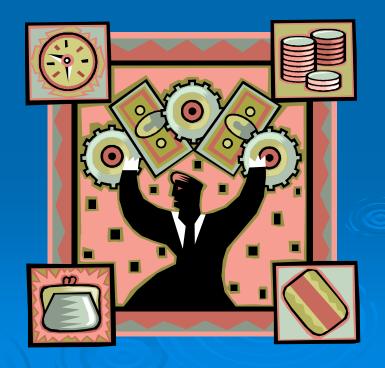
State and Federal Companion Plans Relevance to Groundwater Content Enhancements

 Coordination and consolidation of state actions and policies that relate to groundwater management



Finance Planning Relevance to Groundwater Content Enhancements

 Update 2013 will include a new financial planning feature that will be informed by the groundwater content enhancements



Integrated Water Management

- **Expand on water quality**
- Continue integrated flood mgmt
- Expand on groundwater
- Add near coastal resources

Content Enhancements

Regional Planning

- Expand on land use & water mgmt nexus Incorporate UWMP content
- Expand economic & financial planning

Data, Metrics & Analysis

- Improve data mgmt & sharing
- Enhance inter-disciplinary technical analyses
- Develop metrics & sustainability indicators
- Develop CA Water Mgmt Progress Report

Adaptive Management

- Revisit environmental water concept
- Use Living Document approach
- Use multiple & shorter planning horizons
- Identify outdated water codes & laws



California Water Plan Update 2013 Early Focus Topics / Caucuses

- Update 2013 Finance Planning
- Reinventing Regional Reports
- Groundwater
- Statewide Integrated Flood Planning
- New Water Technology / R&D

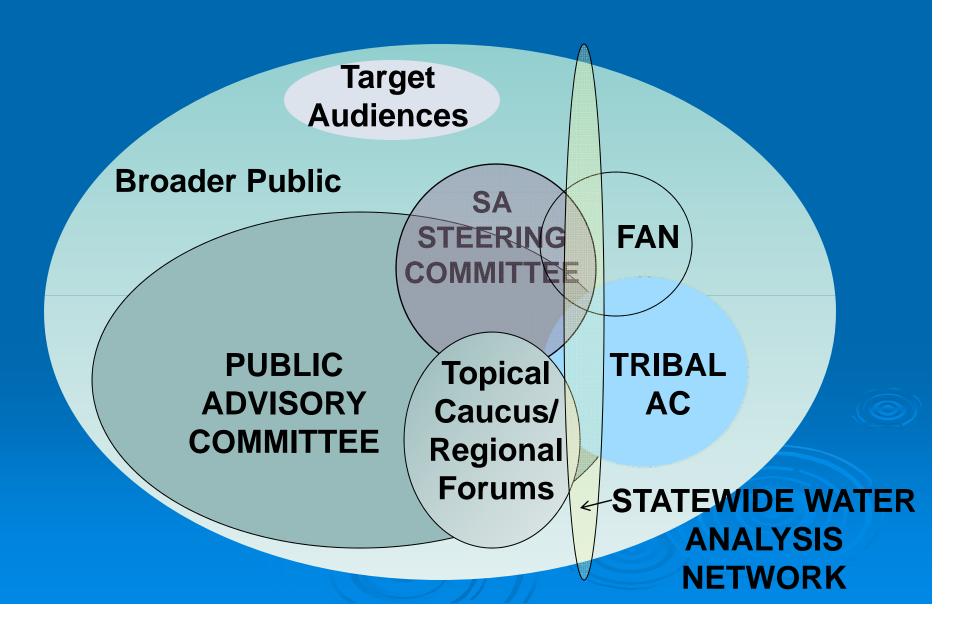


Update 2013 Outreach Venues

- State Agency Steering Committee (30 State Agencies)
- Federal Agency Network
- Tribal Advisory Committee
- Public Advisory Committee
- Regional Forums
- Topic-based Caucuses
- SWAN Statewide Water Analysis Network
- Annual Plenary Meetings



Update 2013 Collaboration Venues



Ways to Access Water Plan Information

Visit the Water Plan Web Portal www.waterplan.water.ca.gov







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www.waterplan.water.ca.gov/enews